Vol. 29
Index

1998

AUTHOR INDEX

Abu Hussan A 537
Abdurachman SA 367
Acharya AS 137
Adanan CR 537
Agarwal SK 503
Ak M 685
Akahane H 611
Akinawa M 341
Alpers MP 35
Amalraj DD 177
Amerasinghe FP 168
Amerasinghe PH 168
Anantaphruti MT 144, 744
Anantavara S 387
Andersen E 628
Angkasekwinai P 41
Anh NTN 628
Anuradha S 503
Aramrattana A 3
Arunyanart C 748
Asthana OP 225
Atmosoedjono S 228
Attatippaholkun MK 361
Attatippaholkun WH 361
Aursudkij B 541

Balachandra K 751
Bangpattanasiri K 655
Banjong O 469
Barnes EH 128
Barnish G 319
Beek HP 35
Bhatia R 80
Bhattarakosol P 269, 507
Bibera G 772
Bock HL 772
Bøgh HO 723
Booth M 706
Borja-Tabora C 772
Bravo L 772
Brown AE 377
Buchachart K 341
Bunnag D 246, 512, 519
Bunyakai B 383
Busagorn N 480
Bussaratid V 696
Butraporn P 702

Cao H 605
Carlos J 772
Chaichana S 758
Chaisri U 31
Chaithong U 660
Chaiyaroj SC 41
Chan VF 255
Chand SK 10
Chaowalit P 655
Charaensub A 85
Chariyahpongpun P 406
Charoenvit Y 685
Chaturvedi HK 66
Chau LV 250
Chearskul S 443, 453
Chia YC 821
Chindanond D 525
Chintana T 383
Chisty M 563
Chitchumroonchokchai C 469
Chiu NT 835
Chokejindachai W 344, 696
Chompanee B 96
Chongsrisawat V 76
Chongsupphajaisiddhi T 299, 355
Chongsuvivatwong V 814
Choochote W 141, 159, 660, 714, 841
Chotpitayasunondh T 443
Christopherson RI 24
Chuansumrit A 649, 801
Chub-uppakarn S 451, 464
Chunsutthiwat W 669
Chupraphawan S 669
Chuslip K 293
Clanton DJ 758
Clark S 550
Cong LD 250
Cooksley G 255
Crissman L 669

Dai Q 692
Dangprasert T 387
Danis M 572
Das ML 154
Das PK 177
Dash AP 137
Datta KK 80
De NV 250
Dechkum N 273
Dekumyoy P 572

Devi S 560
Dhiraputra C 96
Djumhana A 367
Doberstyn EB 355
Doloi P 173
Dong Y 758
Duangchan P 62
Dunas R 779
Dutta P 173

Eampokalap B 108
Ebrahim S 821

Fatmah MS 735
Fedzillah G 792
Feng Z 605
Forrat R 779

Gan CY 643
Gao WP 263
Gatchalian S 772
Gay F 529
Genton B 35
Gibson N 35
Gordeux VR 541
Guo HP 692
Guo JG 706
Gur N 503
Gurung G 739

Halimah AS 58
Handak SG 154
Hao HT 250
Hathirat P 649
Hawdon JM 605
Hazarika NC 66, 173
Hazra RK 137
Helwigh AB 723
Hemme F 529
Hendriksen C 696
Higashikawa K 263, 469
Hii J 35
Hla Min 46
Hlaing Myat Thu 280
Hla-Shein 546
Ho TM 94, 560
Hoa TC 628
Hoffman SL 685
Holmes B 872
Hossain M 864
Hotez PJ 605
Hu H 191
Hu ZH 263
Hussamin N 469
Hutubessy R 669

Iamkamala P 864
Ikeda M 263, 469
Imsomboon T 327
Inaba H 250
Inaba T 563
Indaratna K 669
Ingkokusumo G 550
Ingole DL 827
Innis BL 361
Inokuchi NM 263
Intapan PM 579
Intarakhao C 50
Inthakone S 236, 717
Isahak I 255
Isarangkura P 649
Ishida T 62
Ito M 563

Jacob M 131
Jamal R 792
Jayanetra P 85
Jayavasu C 273
Jenkins J 706
Jiang KX 692
Jiang T 669
Jitpakdi A 141, 159, 660, 841
Johansen MV 128
John J 255
Jones TR 550, 685
Jongsuksuntikul P 123, 246, 327
Jou IM 835
Jusuf H 367, 370

Kaewanee S 560
Kaewmart R 763
Kamel AGM 91
Kamiya H 563
Kanjanapothi D 660
Kanla P 748
Kano S 341
Kantama L 85
Kanyok L 355
Karbwang J 18, 213
Karki P 131, 154
Karki BMS 131
Kasempimolporn S 277
Kaslow DC 685
Khan SA 173

Khandait DW 289
Khin Mar Aye 280
Khin-Saw-Aye 546
Khoo ABS 27
Khusmith S 337, 355, 512, 519
Kidson C 189, 427, 667
Kino H 250
Kiser R 758
Kitjaroentham A 337
Ko Ko Hla 46
Kobayashi J 717
Kobayashi M 611
Kobayashi J 236
Koide T 591, 599
Koirala S 131, 154
Komalamisra N 841
Komolpis P 96
Konradsen F 168
Koralak A 71
Koram MR 289
Kor-anantakul O 795
Korbsrisate S 864
Korthuis PT 550
Kositanurit I 805
Krailas D 387
Krudsood S 341, 344, 696
Kulkarni SW 285
Kumar S 685
Kumbhalka DT 289
Kunarak N 100
Kunasol P 255
Kurathong S 480
Kusamran T 387
Kyin Htwe 46

Lai KA 835
Laillemant M 429
Lambouray JL 429
Lamom C 133
Laothavon J 337
Leamviteevanich K 579
Lebnark T 453
Lee HL 841
Leelarasamee A 410
Leetanaporn R 795
Leggat PA 311, 355
Lekkla A 383
Lertlaituan P 767
Lertworapreecha M 507
Lesmana M 550
Li XH 191
Liabsuetrakul T 795
Likanonsakul S 453
Lim PKC 27, 525
Limviroj W 333
Loleka S 255
Looareesuwan S 41, 191, 341, 344, 355, 525, 541,696
Louisirirotchanakul S 453
Lumlertdacha B 277

Mahanta J 66, 173
Mahapatra N 137
Mahaweerawat U 50
Mahendra Raj S 112, 729
Maipanich W 744
Mak JW 27
Malatham K 636
Maleewong W 579, 748
Malhure BR 285
Manandhar R 739
Manatsathit S 767
Maneerat Y 31
Manivang K 236
Manivong K 717
Maris D 685
Marwoto H 685
Masfar S 685
Mastro TD 443
Mathur MD 503
Matsuda-Inoguchi N 469
Matsumara T 739
Matsumoto Y 341
Matsuoka A 739
Mckay S 864
McNeil JG 377
Meesomboon V 123
Methanitikorn R 714
Migasena P 71
Milcampus B 779
Mock P 443
Mogensen K 628
Moolasart P 108
Myo Khin 46

Na-Banchang K 18, 213, 337
Nacapunchai D 133
Nagappan S 27
Naing NN 729
Nakatsuka H 263
Nakayama H 563
Nambanya S 236, 717
Namue C 401, 406
Nanakorn S 293

Nargis M 563
Nathalang O 801
National AIDS Control Organization 373
Nazni WA 849
Ne-Win 546
Niruthisard S 507
Nisalak A 361
Noor Fariza N 58
Noor Hayati MI 58
Noor Rain A 27
Norazah A 91
Norhayati M 58
Nose M 591, 599
Nosten F 355
Nuamtanong S 144, 744
Nuchaprayoon I 584

Ogihara Y 591, 599
Ohta N 591, 599
Okoseray M 550
Olliaro P 355
Onda T 341
Ono K 739
Oothuman P 735
Osaka R 293

Paget S 35
Palakul K 841
Panart K 141
Panart P 141
Panasoponkul C 622
Pancharoen C 269
Pangsawan Y 273
Panichart P 451, 464
Panthong A 660
Parija SC 131, 154, 860
Parry CM 416
Pasandhanaton V 702
Penggabean M 735
Petmitr S 71
Pezzuto JM 758
Phonrat B 50
Phukan RK 66
Phumiamorn S 443
Piangjai S 714
Pilantanapak A 85
Pinlaor S 71
Pipitgool V 333, 579
Pitasawat B 660, 841
Pitt TL 872
Poi PJH 821
Pongpaew P 50
Pongponaratn E 31
Poovorawan Y 76, 255, 451, 464, 480, 491, 779, 786
Praevanich R 123
Prajakwong S 141
Prakash C 80, 475, 497
Pramoolsinsap C 480, 786
Praaporn N 864
Premasiri DAR 242
Pribadi W 228
Pubampen S 118, 148, 744
Pungpak S 246
Punpoowong B 31
Punyaprasiddhi P 801

Qian YX 605
Qu JB 263

Radomyos B 123, 246
Radomyos P 123, 246, 622
Rafi A 567
Rahizan I 91
Rahman WA 537, 596
Rai G 739
Rai SK 100, 739
Rai N 739
Rakue Y 622
Ramelah M 872
Rasidi R 228
Rattanaprueksachart R 795
Rauyajin O 702
Ren HN 605
Rentrakul V 758
Riantawan P 655
Rieckmann KH 24
Riganti M 31
Rizvi SNA 503
Rohani AK 58
Rohani MY 91, 94, 560
Rojanapaibul A 401
Rojanasuphot S 443
Rojekittikhun W 118, 148, 744
Rongsriyam Y 159, 841

Sa'diyah I 849
Sabcharoen A 355
Saengseesom W 277
Safary A 772
Saguanwongse S 273
Salasawati H 872
Salazar N 191, 299

Saleh AM 525
Sa-ngnankiat S 572
Sangsawang M 96
Sangsayan P 655
Sano M 250, 611
Santisuk T 758
Saowakontha S 50
Sarasombath S 864
Sathapatayavongs B 636
Sato Y 236, 717
Saxena A 10
Scheiwe MW 696
Schelp FP 50, 246
Seong NH 255
Sethi M 131
Settheethamishida W 62
Shaffer N 443
Sharma CK 173
Sharma RS 80
Sharma VP 10,225
Sharom MY 58
Shibata H 739
Shimbo S 263, 469
Shrestha HG 739
Shrikhande SN 285
Shuangshoti S 105
Shukla MM 225
Si J 615
Siapan P 856
Silachamroon U 105, 696
Singh N 10, 225
Singh NP 503, 860
Singhasivanon P 191, 344, 355
Sinjyo M 236
Sirinavin S 636
Sirirand P 429
Sirivichayakul C 555
Sithithaworn P 333
Sitprija V 277
Sobhorn P 387
Soe Thein 280
Soe-Soe 546
Somboon P 3,159
Son DT 250
Soucat A 429
Srianujata S 469
Sri-aroon P 702
Srichatrapimuk K 805
Srifuengfung S 96
Srinivas P 821
Sriphaisal T 801
Sriprapat S 277
Sriratanaban J 805
Staley P 758
Stern A 201
Sudjana P 367, 370
Sukapurana C 669
Sukolapong V 579
Sukontason K 714
Sukprasert N 133
Sukthana Y 383
Sulaiman HA 255
Sumi K 739
Sun FG 605
Suntharasaj T 795
Supaswadikul S 108
Supavej S 1, 191, 355
Supawan V 50
Suphanaranonda K 751
Sura T 480
Surya LK 228
Susanto L 228
Sutanto I 228
Suthienkul O 622
Sutthent R 453
Suvanakoot P 636
Suwanagool P 76, 767
Suwanrath C 795
Suwonkerd W 159
Suzuki J 62
Suzuki M 341

Tan SK 27, 525
Tan-ariya P 18, 213
Tanbanjong A 429
Tangkijvanich P 491, 786
Tanner M 706
Tantivanich S 751
Tapchaisri P 512
Tatsumi N 801
Tay ST 94, 560
Thaineua V 429
Thakerngpol K 767
Thammapalerd N 337
Thanavibul A 18
Than-Tun-Sein 546
Tharavanij S 512, 519
Theamboonlers A 451, 464, 480, 491, 779, 786
Thein Myint Thu 46
Thepthai C 453
Thimasarn K 191, 355, 669
Thipawankosol P 18
Thisyakorn U 269, 555

Thongkrajai P 763
Thousungnoen A 71
Tin Shwe 46
Tin-Aung 546
Toan ND 250
Tomanakarn K 579
Tookyang B 141, 159
Torcharus K 801
Tram TT 628
Tri L 628
Triteeraprapab S 584
Tsai TF 443
Tungtrongchitr R 50
Tuntiseranee P 814

Ubalee R 18, 213
Uga S 100, 739
Ughade SN 827
Upatham ES 387

Van der Hoek W 168, 242
Vajragupta L 76
Vanijanonta S 572
Vannachone B 236, 717
Vannaphan S 541
Vanprapa N 453
Vasudeo ND 285, 289
Vaughn DW 361
Velecha N 10
Verghese T 80
Villar EP 255
Vimolket T 491, 779
Viriyavejakul P 31, 344, 696
Visedsuk K 744
Vitamin K Study Group 649
Vivatvakin B 76
Viyanant V 387

Wah LB 255
Waikagul J 144, 148, 324, 572
Walsh D 355
Walsh DS 541
Wanachichwanawin D 767
Wang HZ 706
Wanichanon C 387
Waranawat N 443
Waree P 333
Wasi C 453
Wasnik KS 827
Watanabe M 100
Watanabe T 263, 469
Waylings S 355
Webber R 3
Western KA 316
White NJ 355
Wickremasinghe AR 242
Wignall FS 550
Wilairatana P 123, 344, 541, 696
Willems P 772
Willingham AL 128
Wong KS 821
Wongkham C 579
Wongsaroj T 123
Wongsawad C 401, 406
Wu YX 191
Wu ZX 605
Xiao SH 605
Xue HC 605

Yabu Y 591, 599
Yaemput S 748
Yang CY 835
Yang H 191
Yang JH 692
Yasmin M 792
Yeo AET 24
Yin XR 615
Yin Yin Win 46
Yoosook C 758
Yu CX 615
Yuentrakul P 443

Zainal Abidin AH 58
Zainuldin T 91
Zhan B 605
Zhang ZW 263, 469
Zhong M 692
Zhu DF 191
Zhu Y 692
Zhu YC 615
Zodpey SP 827
Zodpey SP 285,289, 827
Zoramthanga K 66
Zulkifli SZ 792

SUBJECT INDEX

Aedes aegypti, predation by *Toxorhynchites* 177
AIDS in India, opportunistic infections 373
AIDS, opening the door 427
Anopheles sinensis, isoenzymes 841
Anopheles sinensis Wiedermann, susceptibility to plasmodia 159
Antibiotics inhibiting nucleotide biosynthesis, malaria 24
Antirabies gamma globulin, fluorescent labeled 277
Ascaris suum, Schistosoma japonicum in pigs 723
Ascariasis, trichuriasis and child growth, Malaysia 729
Arteether, clearing *Plasmodium falciparum* parasitemia, India 225
Artemether, pyrimethamine, pharmacokinetics 18
Artemether-pyrimethamine, *Plasmodium falciparum* schizonticidal activity 213

Bacterial pathogens from sputum culture 96
BCG vaccination, childhood tuberculosis prevention, India 285
Burkholderia pseudomallei, unbeatable foe 410

Cerebral malaria and serum cortisol 46
Cholangiocarcinoma, K-*ras* and p53 gene mutations 71
Cholera el tor, Irian Jaya, Indonesia 550
Clonorchiasis epidemiology, Vietnam 250
Cornell Medical Index, Thai Japanese comparison 293
Cortisol, serum and cerebral malaria 46
Coxsackie B virus and myopericarditis, Thailand 273
Coxiella burnetii in fever patients 94
Cryptococcosis, pulmonary 105
Cryptosporidium in HIV patients, Thailand 100
Culex quinquefasciatus, insecticide resistance 849
Culex quinquefasciatus Say, Khon Kaen, Thailand 333
Cytomegalovirus, seroprevalence in children 269

Dengue and malaria, GIS mapping, Thailand 669
Dengue hemorrhagic fever and typhoid fever 370
Dengue hemorrhagic fever, pancreatitis complication 367
Dengue non-structural proteins, nucleotide sequences 361
Dengue outbreak, Delhi, India 503
Dengue vectors, northeast India 173
Dengue virus propagation in *Aedes aegypti* 280
DHFR mutations, Thai *P. falciparum* isolates 525
DHFR point mutations, *Plasmodium falciparum* 27
Diarrhea, tetracycline/norfloxacin efficacy 108
Drug chests, commune health stations, Vietnam 628
Drug cost containment, antibiotics order form 636
Drugs, anti-HIV searching 758
Drugs, new antimalarial, hospital use 344

Enteropathogenic *E. coli* in food 91
Eosinophilia, anemia and parasitism, Thailand 584
Eosinophilic pleural effusion 655
Escherichia coli, enteropathogenic in food 91

Fasciola gigantica, ES antigenic components 579
Fasciola gigantica tegument 387
Fibrosis, partial, non-cirrhotic, pulmonary venous anomalies 76
Filariasis transmission dynamics, India 137
Flavibacterium meningosepticum serotyping 872

Geohelminthiasis, intestinal, primary school children 112
Giardia intestinalis, risk factors, Malaysia 735
GIS mapping, disease and economic resources, Thailand 669
GIS mapping, malaria in Yunnan 191
Gnathostoma hispidum, 3 cases 611
Gnathostoma spinigerum, cephalic hooklet morphology 118
Gnathostome infection in swamp eels, Thailand 144
Gnathostome larvae in swamp eels, Bangkok market 148

Haplorchis, haplorchoides in cyprinoid fish 401
Health status in Orang Asli 58
Health, wealth and the world around us 667
Helminth infections, children, Malaysia 596
Hepatitis A, declining seroprevalence,

SE Asia 255
Hepatitis A, low prevalence anti-HAV, Thailand 451
Hepatitis A vaccine, new inactivated, Thai children 779
Hepatitis B carrier pregnant women, India 80
Hepatitis B, C, CMV, HIV in transfused thalassemia patients 792
Hepatitis B, C markers, women in Shaanxi, China 263
Hepatitis B, C, working women, Bangkok 469
Hepatitis B vaccination impact, Thailand 464
Hepatitis C, E, hospital patients, India 475
Hepatitis GBV, IV drug users 491
Hepatitis G infection 786
Hepatitis genotypes, subtypes, Thailand 480
HIV, ELISA development 763
HIV infected children, response to JE vaccine 443
HIV patients, microsporidiosis diarrhea 767
HIV patients, opportunistic protozoa in stools 31
HIV positive mothers, lymphocytes in children 453
HIV vaccine development, subtype E strategy 377
HIV, zivoudine prevention of mother-to-child transmission 429
HLA antibodies in thalassemia 801
Hypertension, rural elderly, Malaysia 821

IgG ELISA, neurocysticercosis 572
Index, Cornell Medical, Thai Japanese comparison 93
Information handling in public health planning 189
Iodine deficiency disorders, iodine supplementation 50

Jaundice epidemics, India 497

Kala azar, Nepal, sodium stibogluconate treatment 154

Larvicidal activity in carminative plants 660
Leishmaniasis, cutaneous, Nepal 131
Leprosy, IgG response to mycobacterial antigens 567

Malaria and dengue, GIS mapping, Thailand 669
Malaria, central Irian Jaya, Indonesia 228
Malaria, cerebral, pulmonary edema 541
Malaria, clinical diagnosis, Sri Lanka 242
Malaria, combined artesunate-mefloquine treatment 696
Malaria, diagnosis quality control, Thai-Myanmar border 529
Malaria endemicity, Yunnan, GIS mapping 191
Malaria epidemiology, Malaysia-Thai border 537
Malaria, infantile, bednets, maternal influence 702
Malaria in preganancy, India 10
Malaria KAP, Myanmar 546
Malaria patients, serological evaluation 341
Malaria, rapid diagnosis of *P. falciparum* 35
Malaria status, southeastern Lao PDR 236
Malaria transmission, population movements 3
Malaria treatment, SE Asia consensus recommendations 355
Malaria vector breeding habits, Sri Lanka 168
Manni, southern Thailand, stature 62
Melioidosis, neurological manifestations 856
Metacercariae viability in foods, Thailand 714
Microsporidosis diarrhea in HIV infection 767
Monoclonal antibodies to quinine 337

Nematode, intestinal infections, Jiangsu, China 605
NIH, tropical medicine research role 316
Nutrition and iodine deficiency correction 50

Ophthalmomyasis, *Oestrus ovis* 133
Opisthorchiasis and intestinal flukes, Thailand 123
Opisthorchiasis national control program, Thailand 327
Opisthorchis viverrini metacercariae in fish 324
Opisthorchis viverrini, praziquantel treatment 246
Orang Asli, health status 38

Pancreatitis, DHF complication 367
Papillomavirus, human, cervical neoplasia 507
Paragonimus westermani, electron microscopy 748
Parasitized erythrocyte adherence 41
Parasites, intestinal, epidemiology, Lao PDR 717
Pharmacokinetics, artemether, pyrimethamine 18
Plasmodium falciparum, chloroquine sensitivity, Yunnan, China 692
Plasmodium falciparum, DHFR mutation 27
Plasmodium falciparum, inhibition by antibiotics 24

Plasmodium falciparum, rapid diagnosis 35
Plasmodium vivax, antigenic disparity, initial/relapse 519
Plasmodium vivax, antigenic diversity, Thailand 512
Plasmodium vivax, humoral immune responses, Indonesia 685
Population movements, malaria transmission 3
Population movements, mapping, Mekong region 201
Portal fibrosis, non-cirrhotic, and pulmonary venous anomalies 76
Pregnant women, India, hepatitis B carrier rate 80
Primary health care, Thailand Japan partnership 622
Private health sector role, Asia and Africa 319
Private hospitals as contractors, Thailand 805
Protozoa, opportunistic infections in HIV patients 31
Pyomyositis, muscle abscess 835

Quinine, monoclonal antibodies to 337

Respiratory syncytial virus PCR subgrouping 715
Rickettsiae in wild rodents, Malaysia 560

Salmonella paratyphi A, IgM anti-flagellin antibodies 864
Salmonella serovar detection, PCR 85
Shigellosis, severe in childhood 555
Schistosoma japonicum, Ascaris suum, pigs 723
Schistosoma japonicum egg count technic 128
Schistosoma japonicum, triose - phosphate isomerase gene sequence 615
Schistosomiasis control in China, field costs 706
SEAMEO TROPMED history 1
SEAMEO TROMED network, health human resources 299
Social security scheme, private hospital contractors 805
Stature of Manni, southern Thailand 62
Stellantchasmus falcatus, experimental infection 406

Thalassemia, prenatal diagnosis 795
Tobacco consumption, oropharyngeal carcinoma risk, India 827
Tobacco usage, Sabah, Malaysia 643
Tobacco use, India, sociodemographic patterns 66
Toxocara, Gnathostoma, dogs, Bangkok 744
Toxoplasma antibodies, pregnant women, Nepal 739
Toxoplasma gondii, HIV infection 383
Trichinella britovi, animal immunization 563
Tropical medicine, Australia role 311
Trypanosoma brucei, axenic culture 591
Trypanosomes, effects of Chinese herbal medicines 599
Tuberculosis, pulmonary, fluorescence sputum diagnosis 860

Untreatable infections, challenge 416

Vaccine, DPTw-HBV-Hib combination at birth 772
Vitamin A, subclinical deficiency, India 289
Vitamin K deficiency, Thailand history 649

Worker characteristics, wood industry 814
Wuchereria bancrofti transmission, Thailand 141